All 1647

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/234,290A

CRF Processing Date: 11/06/01
Edited by: MM
Verified by:

- ☐ Changed a file from non-ASCII to ASCII
- ☐ "Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number input applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading applicant placed a response below the subheading; this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename a ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field according due to a PatentIn bug). Sequences corrected: _____
- ☑ Other: Number of lines in field 223 exceeded in 3 of 18 sequences. MM

ENTERED

RECEIVED
NOV 14 2001
TECH CENTER 1600/2900

*Examiner: The above corrections must be communicated to the applicant in the first C Action. DO NOT send a copy of this form.

1642

RAW SEQUENCE LISTING DATE: 11/06/2001
PATENT APPLICATION: **US/09/234,290A** TIME: 15:54:03

Input Set : **N:\jumbos\i234290a.RAW**
Output Set: **N:\CRF3\11062001\I234290A.raw**


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      1 <110> APPLICANT: Burkly, Linda C.
      2 <120> TITLE OF INVENTION: TREATMENT FOR INSULIN DEPENDENT DIABETES
      3 <130> FILE REFERENCE: 10274-008003
C-->  4 <140> CURRENT APPLICATION NUMBER: US/09/234,290A
      5 <141> CURRENT FILING DATE: 1999-01-20
      6 <150> PRIOR APPLICATION NUMBER: US 08/447,118
      7 <151> PRIOR FILING DATE: 1995-05-22
      8 <150> PRIOR APPLICATION NUMBER: US 08/029,330
      9 <151> PRIOR FILING DATE: 1993-02-09
     10 <150> PRIOR APPLICATION NUMBER: PCT/US94/01456
     11 <151> PRIOR FILING DATE: 1994-02-09
     12 <160> NUMBER OF SEQ ID NOS: 18
     13 <170> SOFTWARE: FastSEQ for Windows Version 4.0
     15 <210> SEQ ID NO: 1
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     17 <212> TYPE: DNA
     18 <213> ORGANISM: Homo sapiens
     19 <220> FEATURE:
     20 <221> NAME/KEY: misc_feature
     21 <222> LOCATION: (0)...(0)
     22 <223> OTHER INFORMATION: pBAG159 insert: HP1/2 heavy chain variable region;
     23       amino acid 1 is Glu (E) but Gln (Q) may be
     24       substituted
     25 <221> NAME/KEY: CDS
     26 <222> LOCATION: (1)...(360)
     27 <400> SEQUENCE: 1
     28       gtc aaa ctg cag cag tct ggg gca gag ctt gtg aag cca ggg gcc tca       48
     29       Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
     30        1               5                  10                  15
     31       gtc aag ttg tcc tgc aca gct tct ggc ttc aac att aaa gac acc tat       96
     32       Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
     33                   20                  25                  30
     34       atg cac tgg gtg aag cag agg cct gaa cag ggc ctg gag tgg att gga      144
     35       Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
     36                35                  40                  45
     37       agg att gat cct gcg agt ggc gat act aaa tat gac ccg aag ttc cag      192
     38       Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
     39            50                  55                  60
     40       gtc aag gcc act att aca gcg gac acg tcc tcc aac aca gcc tgg ctg      240
     41       Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
     42        65                  70                  75                  80
     43       cag ctc agc agc ctg aca tct gag gac act gcc gtc tac tac tgt gca      288
     44       Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
     45                       85                  90                  95
     46       gac gga atg tgg gta tca acg gga tat gct ctg gac ttc tgg ggc caa      336
     47       Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
     48                   100                 105                 110
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RAW SEQUENCE LISTING DATE: 11/06/2001
PATENT APPLICATION: US/09/234,290A TIME: 15:54:03

Input Set : N:\jumbos\i234290a.RAW
Output Set: N:\CRF3\11062001\I234290A.raw

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50       Gly Thr Thr Val Thr Val Ser Ser
51                115                 120
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 120
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapiens
57 <400> SEQUENCE: 2
58       Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
59        1               5                  10                  15
60       Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
61                   20                  25                  30
62       Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
63                35                  40                  45
64       Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
65            50                  55                  60
66       Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
67       65                  70                  75                  80
68       Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
69                       85                  90                  95
70       Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
71                   100                 105                 110
72       Gly Thr Thr Val Thr Val Ser Ser
73                115                 120
75 <210> SEQ ID NO: 3
76 <211> LENGTH: 318
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo sapiens
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80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (0)...(0)
82 <223> OTHER INFORMATION: pBAG172 insert: HP1/2 light chain variable region
83 <221> NAME/KEY: CDS
84 <222> LOCATION: (1)...(318)
85 <223> OTHER INFORMATION: HP1/2 light chain variable region
86 <400> SEQUENCE: 3
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88       Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
89        1               5                  10                  15
90       gac agg gtt acc ata acc tgc aag gcc agt cag agt gtg act aat gat      96
91       Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
92                   20                  25                  30
93       gta gct tgg tac caa cag aag cca ggg cag tct cct aaa ctg ctg ata     144
94       Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
95                35                  40                  45
96       tat tat gca tcc aat cgc tac act gga gtc cct gat cgc ttc act ggc     192
97       Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
98            50                  55                  60
99       agt gga tat ggg acg gat ttc act ttc acc atc agc act gtg cag gct     240
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RAW SEQUENCE LISTING DATE: 11/06/2001
PATENT APPLICATION: US/09/234,290A TIME: 15:54:03

Input Set : N:\jumbos\i234290a.RAW
Output Set: N:\CRF3\11062001\I234290A.raw

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100       Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
101        65                  70                  75                  80
102       gaa gac ctg gca gtt tat ttc tgt cag cag gat tat agc tct ccg tac      288
103       Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
104                        85                  90                  95
105       acg ttc gga ggg ggg acc aag ctg gag atc                              318
106       Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
107                  100                 105
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 106
111 <212> TYPE: PRT
112 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 4
114       Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
115        1               5                  10                  15
116       Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
117                  20                  25                  30
118       Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
119              35                  40                  45
120       Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
121          50                  55                  60
122       Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
123       65                  70                  75                  80
124       Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
125                        85                  90                  95
126       Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
127                  100                 105
129 <210> SEQ ID NO: 5
130 <211> LENGTH: 429
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
133 <220> FEATURE:
134 <221> NAME/KEY: CDS
135 <222> LOCATION: (1)...(429)
136 <221> NAME/KEY: sig_peptide
137 <222> LOCATION: (1)...(57)
138 <221> NAME/KEY: mat_peptide
139 <222> LOCATION: (58)...(429)
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (0)...(0)
142 <223> OTHER INFORMATION: pBAG195 insert: AS heavy chain variable region
143 <400> SEQUENCE: 5
144       atg gac tgg acc tgg agg gtc ttc tgc ttg ctg gct gta gca cca ggt       48
145       Met Asp Trp Thr Trp Arg Val Phe Cys Leu Leu Ala Val Ala Pro Gly
146                        -15                 -10                  -5
147       gcc cac tcc cag gtc caa ctg cag gag agc ggt cca ggt ctt gtg aga       96
148       Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg
149                  1               5                  10
150       cct agc cag acc ctg agc ctg acc tgc acc gcg tct ggc ttc aac att      144
```

RAW SEQUENCE LISTING DATE: 11/06/2001
PATENT APPLICATION: US/09/234,290A TIME: 15:54:03

Input Set : N:\jumbos\i234290a.RAW
Output Set: N:\CRF3\11062001\I234290A.raw

```
151       Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Ala Ser Gly Phe Asn Ile
152            15                  20                  25
153       aaa gac acc tat atg cac tgg gtg aga cag cca cct gga cga ggt ctt      192
154       Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu
155        30                  35                  40                  45
156       gag tgg att gga agg att gat cct gcg agt ggc gat act aaa tat gac      240
157       Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp
158                        50                  55                  60
159       ccg aag ttc cag gtc aga gtg aca atg ctg gta gac acc agc agc aac      288
160       Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn
161                    65                  70                  75
162       cag ttc agc ctg aga ctc agc agc gtg aca gcc gcc gac acc gcg gtc      336
163       Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val
164                 80                  85                  90
165       tat tat tgt gca gac gga atg tgg gta tca acg gga tat gct ctg gac      384
166       Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp
167            95                  100                 105
168       ttc tgg ggc caa ggg acc acg gtc acc gtc tcc tca ggt gag tcc          429
169       Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser
170       110                 115                 120
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 143
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
176 <220> FEATURE:
177 <221> NAME/KEY: SIGNAL
178 <222> LOCATION: (1)...(19)
179 <400> SEQUENCE: 6
180       Met Asp Trp Thr Trp Arg Val Phe Cys Leu Leu Ala Val Ala Pro Gly
181                      -15                 -10                 -5
182       Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg
183                   1                   5                  10
184       Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Ala Ser Gly Phe Asn Ile
185           15                  20                  25
186       Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu
187       30                  35                  40                  45
188       Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp
189                      50                  55                  60
190       Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn
191                   65                  70                  75
192       Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val
193                80                  85                  90
194       Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp
195           95                  100                 105
196       Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser
197       110                 115                 120
199 <210> SEQ ID NO: 7
200 <211> LENGTH: 386
201 <212> TYPE: DNA
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RAW SEQUENCE LISTING DATE: 11/06/2001
PATENT APPLICATION: US/09/234,290A TIME: 15:54:03

Input Set : N:\jumbos\i234290a.RAW
Output Set: N:\CRF3\11062001\I234290A.raw

<213> ORGANISM: Homo sapiens
<220> FEATURE:
<221> NAME/KEY: CDS
<222> LOCATION: (1)...(384)
<221> NAME/KEY: sig_peptide
<222> LOCATION: (1)...(57)
<221> NAME/KEY: mat_peptide
<222> LOCATION: (58)...(384)
<221> NAME/KEY: misc_feature
<222> LOCATION: (0)...(0)
<223> OTHER INFORMATION: pBAG198 insert: VK2 (SVMDY) light chain variable region
<400> SEQUENCE: 7

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atg ggt tgg tcc tgc atc atc ctg ttc ctg gtt gct acc gct acc ggt       48
Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
                -15                 -10                 -5

gtc cac tcc agc atc gtg atg acc cag agc cca agc agc ctg agc gcc       96
Val His Ser Ser Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
            1               5                  10

agc gtg ggt gac aga gtg acc atc acc tgt aag gcc agt cag agt gtg      144
Ser Val Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val
     15                  20                  25

act aat gat gta gct tgg tac cag cag aag cca ggt aag gct cca aag      192
Thr Asn Asp Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
 30                  35                  40                  45

ctg ctg atc tac tat gca tcc aat cgc tac act ggt gtg cca gat aga      240
Leu Leu Ile Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg
                50                  55                  60

ttc agc ggt agc ggt tat ggt acc gac ttc acc ttc acc atc agc agc      288
Phe Ser Gly Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser
            65                  70                  75

ctc cag cca gag gac atc gcc acc tac tac tgc cag cag gat tat agc      336
Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Asp Tyr Ser
        80                  85                  90

tct ccg tac acg ttc ggc caa ggg acc aag gtg gaa atc aaa cgt aag      384
Ser Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Lys
     95                  100                 105

tg                                                                  386
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<210> SEQ ID NO: 8
<211> LENGTH: 128
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<220> FEATURE:
<221> NAME/KEY: SIGNAL
<222> LOCATION: (1)...(19)
<400> SEQUENCE: 8

```
Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
                -15                 -10                 -5
Val His Ser Ser Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
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VERIFICATION SUMMARY DATE: 11/06/2001
PATENT APPLICATION: **US/09/234,290A** TIME: 15:54:04

Input Set : **N:\jumbos\i234290a.RAW**
Output Set: **N:\CRF3\11062001\I234290A.raw**

L:4 M:270 C: Current Application Number differs, Wrong Format

1642

RAW SEQUENCE LISTING DATE: 10/12/2001
PATENT APPLICATION: US/09/234,290A TIME: 08:48:11

Input Set : A:\10274-008003.TXT
Output Set: N:\CRF3\10122001\I234290A.raw

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 4 <110> APPLICANT: Burkly, Linda C.
 6 <120> TITLE OF INVENTION: TREATMENT FOR INSULIN DEPENDENT DIABETES
 9 <130> FILE REFERENCE: 10274-008003
11 <140> CURRENT APPLICATION NUMBER: US 09/234,290A
12 <141> CURRENT FILING DATE: 1999-01-20
14 <150> PRIOR APPLICATION NUMBER: US 08/447,118
15 <151> PRIOR FILING DATE: 1995-05-22
17 <150> PRIOR APPLICATION NUMBER: US 08/029,330
18 <151> PRIOR FILING DATE: 1993-02-09
20 <150> PRIOR APPLICATION NUMBER: PCT/US94/01456
21 <151> PRIOR FILING DATE: 1994-02-09
23 <160> NUMBER OF SEQ ID NOS: 18
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 360
29 <212> TYPE: DNA
30 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: misc_feature
34 <222> LOCATION: (0)...(0)
35 <223> OTHER INFORMATION: pBAG159 insert: HP1/2 heavy chain variable region;
36       amino acid 1 is Glu (E) but Gln (Q) may be
37       substituted
40 <221> NAME/KEY: CDS
41 <222> LOCATION: (1)...(360)
43 <400> SEQUENCE: 1
44 gtc aaa ctg cag cag tct ggg gca gag ctt gtg aag cca ggg gcc tca       48
45 Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
46  1               5                  10                  15
48 gtc aag ttg tcc tgc aca gct tct ggc ttc aac att aaa gac acc tat       96
49 Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
50              20                  25                  30
52 atg cac tgg gtg aag cag agg cct gaa cag ggc ctg gag tgg att gga      144
53 Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
54          35                  40                  45
56 agg att gat cct gcg agt ggc gat act aaa tat gac ccg aag ttc cag      192
57 Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
58      50                  55                  60
60 gtc aag gcc act att aca gcg gac acg tcc tcc aac aca gcc tgg ctg      240
61 Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
62  65                  70                  75                  80
64 cag ctc agc agc ctg aca tct gag gac act gcc gtc tac tac tgt gca      288
65 Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
66                  85                  90                  95
68 gac gga atg tgg gta tca acg gga tat gct ctg gac ttc tgg ggc caa      336
69 Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
70              100                 105                 110
```

Edit diskette
Field 223 met
4 times

edited raw file

RAW SEQUENCE LISTING DATE: 10/12/2001
PATENT APPLICATION: US/09/234,290A TIME: 08:48:11

Input Set : A:\10274-008003.TXT
Output Set: N:\CRF3\10122001\I234290A.raw

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72 ggg acc acg gtc acc gtc tcc tca                                      360
73 Gly Thr Thr Val Thr Val Ser Ser
74         115                 120
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 120
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 2
83 Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
84  1               5                  10                  15
85 Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
86             20                  25                  30
87 Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
88         35                  40                  45
89 Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
90     50                  55                  60
91 Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
92 65                  70                  75                  80
93 Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
94                 85                  90                  95
95 Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
96             100                 105                 110
97 Gly Thr Thr Val Thr Val Ser Ser
98         115                 120
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 318
102 <212> TYPE: DNA
103 <213> ORGANISM: Homo sapiens
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (0)...(0)
108 <223> OTHER INFORMATION: pBAG172 insert: HP1/2 light chain variable region
110 <221> NAME/KEY: CDS
111 <222> LOCATION: (1)...(318)
112 <223> OTHER INFORMATION: HP1/2 light chain variable region
114 <400> SEQUENCE: 3
115 agt att gtg atg acc cag act ccc aaa ttc ctg ctt gtt tca gca gga       48
116 Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
117  1               5                  10                  15
119 gac agg gtt acc ata acc tgc aag gcc agt cag agt gtg act aat gat       96
120 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
121             20                  25                  30
123 gta gct tgg tac caa cag aag cca ggg cag tct cct aaa ctg ctg ata      144
124 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
125         35                  40                  45
127 tat tat gca tcc aat cgc tac act gga gtc cct gat cgc ttc act ggc      192
128 Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
129     50                  55                  60
131 agt gga tat ggg acg gat ttc act ttc acc atc agc act gtg cag gct      240
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RAW SEQUENCE LISTING DATE: 10/12/2001
PATENT APPLICATION: US/09/234,290A TIME: 08:48:11

Input Set : A:\10274-008003.TXT
Output Set: N:\CRF3\10122001\I234290A.raw

```
132 Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
133  65                  70                  75                  80
135 gaa gac ctg gca gtt tat ttc tgt cag cag gat tat agc tct ccg tac      288
136 Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
137                  85                  90                  95
139 acg ttc gga ggg ggg acc aag ctg gag atc                           318
140 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
141             100                 105
144 <210> SEQ ID NO: 4
145 <211> LENGTH: 106
146 <212> TYPE: PRT
147 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 4
150 Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
151  1               5                  10                  15
152 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
153             20                  25                  30
154 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
155         35                  40                  45
156 Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
157     50                  55                  60
158 Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
159 65                  70                  75                  80
160 Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
161                 85                  90                  95
162 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
163             100                 105
165 <210> SEQ ID NO: 5
166 <211> LENGTH: 429
167 <212> TYPE: DNA
168 <213> ORGANISM: Homo sapiens
170 <220> FEATURE:
171 <221> NAME/KEY: CDS
172 <222> LOCATION: (1)...(429)
174 <221> NAME/KEY: sig_peptide
175 <222> LOCATION: (1)...(57)
177 <221> NAME/KEY: mat_peptide
178 <222> LOCATION: (58)...(429)
180 <221> NAME/KEY: misc_feature
181 <222> LOCATION: (0)...(0)
182 <223> OTHER INFORMATION: pBAG195 insert: AS heavy chain variable region
184 <400> SEQUENCE: 5
185 atg gac tgg acc tgg agg gtc ttc tgc ttg ctg gct gta gca cca ggt       48
186 Met Asp Trp Thr Trp Arg Val Phe Cys Leu Leu Ala Val Ala Pro Gly
187                -15                 -10                  -5
189 gcc cac tcc cag gtc caa ctg cag gag agc ggt cca ggt ctt gtg aga       96
190 Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg
191             1               5                  10
193 cct agc cag acc ctg agc ctg acc tgc acc gcg tct ggc ttc aac att      144
```

RAW SEQUENCE LISTING DATE: 10/12/2001
PATENT APPLICATION: US/09/234,290A TIME: 08:48:11

Input Set : A:\10274-008003.TXT
Output Set: N:\CRF3\10122001\I234290A.raw

```
194 Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Ala Ser Gly Phe Asn Ile
195      15                  20                  25
197 aaa gac acc tat atg cac tgg gtg aga cag cca cct gga cga ggt ctt      192
198 Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu
199  30                  35                  40                  45
201 gag tgg att gga agg att gat cct gcg agt ggc gat act aaa tat gac      240
202 Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp
203                  50                  55                  60
205 ccg aag ttc cag gtc aga gtg aca atg ctg gta gac acc agc agc aac      288
206 Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn
207              65                  70                  75
209 cag ttc agc ctg aga ctc agc agc gtg aca gcc gcc gac acc gcg gtc      336
210 Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val
211          80                  85                  90
213 tat tat tgt gca gac gga atg tgg gta tca acg gga tat gct ctg gac      384
214 Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp
215      95                  100                 105
217 ttc tgg ggc caa ggg acc acg gtc acc gtc tcc tca ggt gag tcc          429
218 Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser
219 110                 115                 120
222 <210> SEQ ID NO: 6
223 <211> LENGTH: 143
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
227 <220> FEATURE:
228 <221> NAME/KEY: SIGNAL
229 <222> LOCATION: (1)...(19)
231 <400> SEQUENCE: 6
232 Met Asp Trp Thr Trp Arg Val Phe Cys Leu Leu Ala Val Ala Pro Gly
233                -15                 -10                 -5
234 Ala His Ser Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg
235             1               5                  10
236 Pro Ser Gln Thr Leu Ser Leu Thr Cys Thr Ala Ser Gly Phe Asn Ile
237     15                  20                  25
238 Lys Asp Thr Tyr Met His Trp Val Arg Gln Pro Pro Gly Arg Gly Leu
239 30                  35                  40                  45
240 Glu Trp Ile Gly Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp
241                 50                  55                  60
242 Pro Lys Phe Gln Val Arg Val Thr Met Leu Val Asp Thr Ser Ser Asn
243             65                  70                  75
244 Gln Phe Ser Leu Arg Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val
245         80                  85                  90
246 Tyr Tyr Cys Ala Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp
247     95                  100                 105
248 Phe Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Glu Ser
249 110                 115                 120
251 <210> SEQ ID NO: 7
252 <211> LENGTH: 386
253 <212> TYPE: DNA
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RAW SEQUENCE LISTING DATE: 10/12/2001
PATENT APPLICATION: US/09/234,290A TIME: 08:48:11

Input Set : A:\10274-008003.TXT
Output Set: N:\CRF3\10122001\I234290A.raw

```
<213> ORGANISM: Homo sapiens
<220> FEATURE:
<221> NAME/KEY: CDS
<222> LOCATION: (1)...(384)
<221> NAME/KEY: sig_peptide
<222> LOCATION: (1)...(57)
<221> NAME/KEY: mat_peptide
<222> LOCATION: (58)...(384)
<221> NAME/KEY: misc_feature
<222> LOCATION: (0)...(0)
<223> OTHER INFORMATION: pBAG198 insert: VK2 (SVMDY) light chain variable
      region
<400> SEQUENCE: 7
atg ggt tgg tcc tgc atc atc ctg ttc ctg gtt gct acc gct acc ggt       48
Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
                -15                 -10                  -5
gtc cac tcc agc atc gtg atg acc cag agc cca agc agc ctg agc gcc       96
Val His Ser Ser Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
            1               5                  10
agc gtg ggt gac aga gtg acc atc acc tgt aag gcc agt cag agt gtg      144
Ser Val Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val
     15                  20                  25
act aat gat gta gct tgg tac cag cag aag cca ggt aag gct cca aag      192
Thr Asn Asp Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
 30                  35                  40                  45
ctg ctg atc tac tat gca tcc aat cgc tac act ggt gtg cca gat aga      240
Leu Leu Ile Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg
                 50                  55                  60
ttc agc ggt agc ggt tat ggt acc gac ttc acc ttc acc atc agc agc      288
Phe Ser Gly Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser
             65                  70                  75
ctc cag cca gag gac atc gcc acc tac tac tgc cag cag gat tat agc      336
Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Asp Tyr Ser
         80                  85                  90
tct ccg tac acg ttc ggc caa ggg acc aag gtg gaa atc aaa cgt aag      384
Ser Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg Lys
     95                  100                 105
tg                                                                  386
<210> SEQ ID NO: 8
<211> LENGTH: 128
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<220> FEATURE:
<221> NAME/KEY: SIGNAL
<222> LOCATION: (1)...(19)
<400> SEQUENCE: 8
Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
                -15                 -10                  -5
Val His Ser Ser Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
```

VERIFICATION SUMMARY DATE: 10/12/2001
PATENT APPLICATION: **US/09/234,290A** TIME: 08:48:12

Input Set : **A:\10274-008003.TXT**
Output Set: **N:\CRF3\10122001\I234290A.raw**

L:355 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:363 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:371 M:259 W: Allowed number of lines exceeded, <223> Other Information:

STATISTICS SUMMARY DATE: 10/12/2001
PATENT APPLICATION: **US/09/234,290A** TIME: 08:48:12

Input Set : **A:\10274-008003.TXT**
Output Set: **N:\CRF3\10122001\I234290A.raw**

Application Serial Number: US/09/234,290A
Alpha or Numeric: Numeric
Application Class:
Application File Date: 01-20-1999
Art Unit: 1642
Software Application: FastSeq
Total Number of Sequences: 18
Total Nucleotides: 3081
Total Amino Acids: 956
Number of Errors: 0
Number of Warnings: 3
Number of Corrections: 0

MESSAGE SUMMARY

259 W: 3 (Allowed number of lines exceeded)